

A new Proturan Species from Italy

Acerentomon baldense sp. n.

(Protura, Acerentomidae)

by

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With 1 figure

ABSTRACT

A new species, *Acerentomon baldense* (type locality: Monte Baldo-Venetian PreAlps), is described and figured. It is characterized with: sensilla *b* large and approximately of the same length of *a* and *c*.

Acerentomon baldense sp. n.

H o l o t y p e (129-11♂) and paratypes from Monte Baldo (Venetian PreAlps) environs to Prà Alpesina, 400 m alt., 18.X.1981, S. Zoia and L. Briganti leg., sample of humus soil in fagetum. Holotype and 11 paratypes mounted in Swan's medium, kept in Muséum d'Histoire naturelle de Genève (1 paratype in Author's collection).

D e r i v a t i o n o m i n i s . The name is derived from the Monte Baldo on which the animals were found.

D e s c r i p t i o n . Length of body 1980-2370 µm, foretarsus without claw 154-160 µm.

Head. Rostrum long. LR = 3.5-3.8, rostral setae little longer than rostrum (Fig. C). Foremargin with 3-5 blunt teeth, maxillary sensillae in the first third broadened and abruptly tapering to a much thinner in distal half, sensilla of labial palpi parallel sided (Fig. D). Pseudoculus (Fig. E) broad than long (13×13.5 µm), relatively small, PR = 18. Filamento di sostegno with short and broad proximal part (Fig. F). Additional postero-dorsal seta on the head missing.

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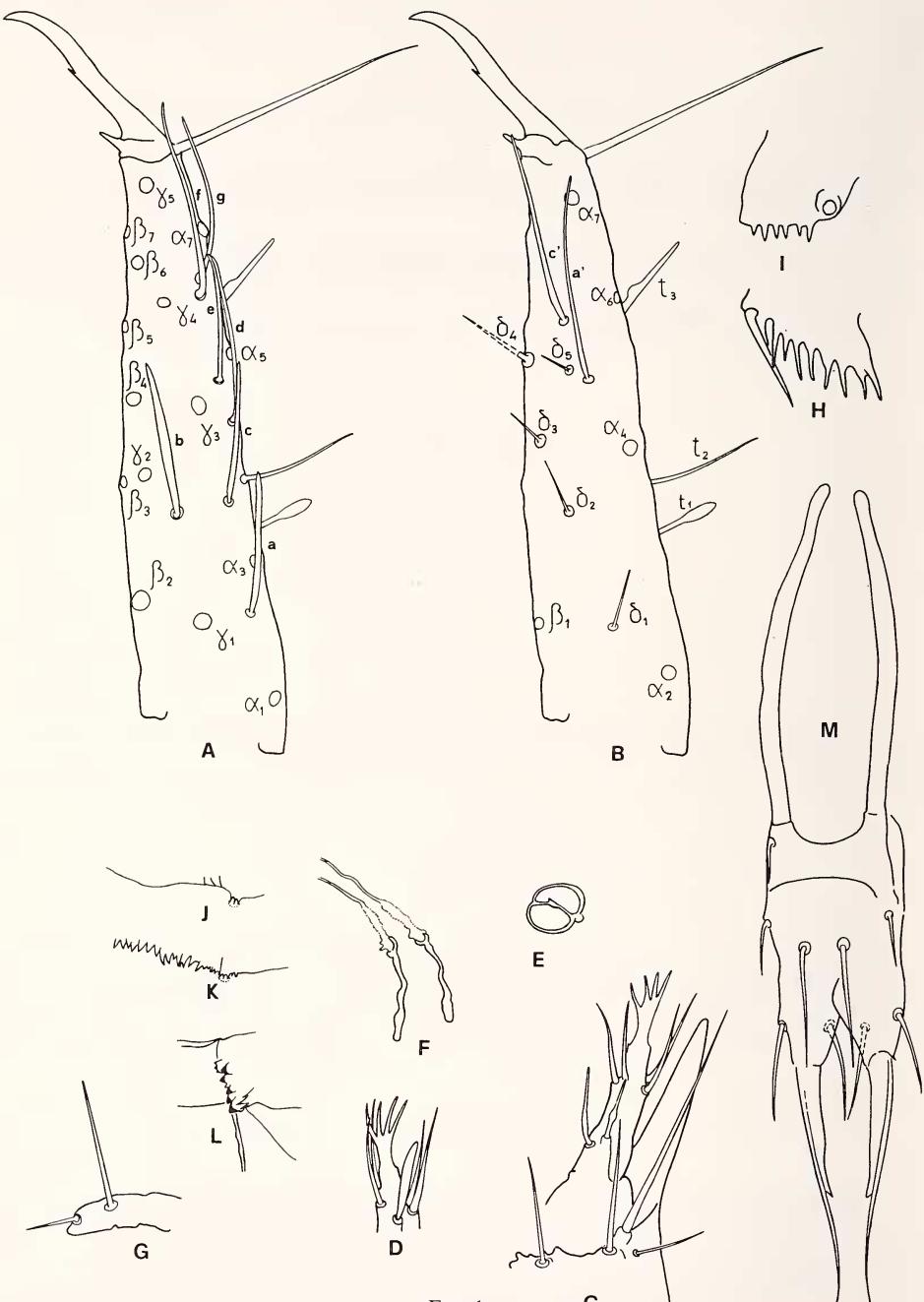


FIG. 1.

Acerentomon baldense sp. n. ♂ holotype: — A. Foretarsus in exterior view. — B. Foretarsus in interior view. — C. Maxillary palpus and rostrum with rostral seta. — D. Labial palpus. — E. Pseudoculus. — F. Filamento di sostegno. — G. Second abdominal leg. — H. Comb VIII. — I. Hind margin of pleurite VIII. — J. Pleural pectine V. — K. Pleural pectine VI. — L. Pleural pectine VII. — M. Squama genitalis ♂.

Thorax. Foretarsus (Figs. A, B): sensilla *b* sword shaped, sensilla *a* large. Sensillae *a*, *b* and *c* approximately of the same length. The ratio of sensillae in exterior side of foretarsus *a*: *b*: *c*: *d*: *e*: *f*: *g* as 52: 55: 52: 60: 46: 71: 62, in interior side *a'*: *c'* as 76: 71. BS = 0.6. TR = 2.7-2.8. EU = 0.11 (0.9).

Abdomen. Comb VIII (Fig. H) 9-12 pointed teeth. Hind border of pleurite VIII with 6-8 long and pointed teeth (Fig. I). Pleural pectine II-V only rotary wheel (Fig. J), pectine VI with a row of irregular and pointed teeth (Fig. K). Pleural pectine VII with 6-8 blunt and strong teeth. The ratio of subapical: apical seta in leg II are 46: 19 (Fig. G).

The outer genitalia. Squama genitalis ♂ (Fig. M).

Survey of chaetotaxy in Tuxen's system:

	I	II	III	IV-VI	VII	VIII	IX	X	XI	XII	*
Terg.	6	10	10	10	12*	8					
	—	—	—	—	—	—	14	10	6	9	
Stern.	14	16	16	16	16	15					
	3	5(6)	7	7	5	4	4	4	6	6	
	—	—	—	—	—	—					
	4	5	5	8	9	2					

* Seta X present.

Variability. Many deviations are observed in chaetotaxy and other characters.

Male praemago: Length of body 1600 µm, foretarsus without claw 140 µm. LR = 4. PR = 20. TR = 2.9. BS = 0.55. EU = 0.13.

R e m a r k . This species is closely related to *Acerentomon tuxeni* Nosek and *Acerentomon dispar* Stach but differs from them principally for the dimension of sensilla *b*.

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